

Application for Certification as an Eligible Energy Resource Under the **Delaware Renewable Energy Portfolio Standard**

	1. Name of Generation Unit ¹ Collenger Residence
2	Generation Unit Address S High Ridge Ct. Newark, BE 19711
	2a. Is the Generation Unit located within the PJM control area? Yes No
	2b. If No, does the Generation Unit have capabilities to be imported into PJM? ²³ ☐ Yes ☐ No
	2b1. Include NERC Tags (if Applicable; Other documentation may be required)
3.	Name of Owner Douglas Collender Mailing Address 8 High Ridge Ct.
	Phone 302-354-4761 Email doug 0852 @comcast net
	☑ Same as Contact Person

¹ 26 Del. C. §352(11). ² 26 Del. C. §352 (6). ³ Documentation will be required to substantiate import capabilities into PJM.

4. Name of Contact Person
- Douglas Collender
Mailing Address
- 8 High Ridge Court
Newbork, DE 19711
Phone 302-354-4761 Email day 0852 @ Comcast. ne-
5. Operational Characteristics: 4
Fuel Types Used (check all that apply):
☐ Gas combustion from the anaerobic digestion of organic material
☐ Geothermal
Ocean, wave or tidal actions, currents, or thermal differences
☐ Biomass
☐ Fuel Cells
☐ Hydroelectric
☐ Methane Gas captured from a landfill gas recovery system
☑ Solar
□ Wind
*If co-firing with fossil fuels, attach the allocation formula on file with PJM; co-fire start date
*If multiple fuel types are utilized, attach the formula for computing the portion of output per fuel type
5a. Rated Capacity (in MW, not including battery storage) 5
5b. Generation Unit's Final Approved Interconnection Date 8 26/19

⁴ 26 Del. C. §352(6).
⁵ Behind the meter Solar capacity should be entered in MW DC.

	6. Is the Applicant's Generation Unit customer-sited generation? 6				
	☑ Yes	□ No			
	6a. Is the met	er that measu	res generation a revenue grade meter?		
	Yes	□ No			
•	7. Is the Applica ☐ Yes	nt's Generatio □ No	n Unit a community owned generating facility? 7		
8	3. Does the Appl ☐ Yes	icant's Genera ☑ No	tion Unit have battery storage?		
	If Yes, p	lease answer a	1C.		
	8a. Can the Ge any battery sto ☐ Yes	neration Unit's prage?	s renewable energy generation be metered prior to		
	8b. What is the	battery energ	y capacity in kWh?		
	8c. What is the	battery charge	e/discharge rating in kW AC?		
9.	If the Applicant	's installation i	is solar or wind sited in Delaware:		
	9a. Was the Ger workforce that of Yes ⁸	neration Unit p consists of at le No	hysically constructed or installed with a east 75% Delaware residents?		
	9b. Does the inst who are Delawar Yes ⁸	talling compan re residents? No	y employ, in total, a minimum of 75% workers		

⁶ 26 Del. C. §352(4) - "Customer-sited Generation" means a generating unit that is interconnected on the end use customer's side of the retail electricity meter in such a manner that it displaces all or part of the metered consumption of the end-use customer.

⁷ 26 Del. C. §1001(5) - "Community-owned Energy Generating Generation Unit" means a renewable energy generating Generation Unit that has multiple owners or customers who share the output of the generator, which may be located either as a stand-alone Generation Unit or behind the meter of a participating owner or customer. The distribution company's transmission and distribution facilities.

⁸ If Yes, please attach supporting documentation (see page 6 for details). Please note, in order to qualify for the Labor/Workforce Bonus, at least one of the options (a. or b.) must be met.

Company Name of Installer 2444 Denny Rd Bear, DE 19701 Address	Signature of Company Representative Double E. Wolf Print Name of Company Representative
	ation is solar or wind sited in Delaware, is a minimum of enewable energy equipment, inclusive of mounting rred in Delaware?
□Yes* ☑ N	

*If Yes, please attach the following documentation:

Company Name of Installer

Address

Address

- A copy of the supplier's invoice showing Delaware manufactured equipment with this facility identified
 - If the supplier's invoice shows only a coded Purchase Order (PO) number, a copy of the company's matching PO that includes the address where the materials were used/installed, must also be supplied

Signature of Company Representative

Print Name of Company Representative

o If using a master invoice, a record of the draws against the purchased quantity, on the master invoice, must show the address of each use and the quantity of material used

I, Dale E. Wolf (print name) hereby certify under penalty of perjury that

- 1. I have made reasonable inquiry, and the information contained in this Application is true and correct to the best of my knowledge, information and belief.
- 2. I am authorized to submit and execute this Application and to bind myself and/or my company to the representations contained herein.
- 3. I/my company agree(s) to comply with and be subject to the jurisdiction of the Public Service Commission of the State of Delaware for any matters arising out of my submission of this Application or the granting of the Application.
- 4. In the event that any of the information contained in this Application changes pending the consideration of this Application or after the Application is granted, I/my company will amend the Application to provide the Commission with such changed information.
- 5. I acknowledge that if any of the representations made in this Application or in any amendment thereto are found to be untrue when made, I/the company may be subject to sanctions, including but not limited to monetary fines and/or the revocation of any Certificate granted as a result of the representations made in this Application.

Signature: Dole & Work	
Date: 9/10/19	
Company Name (if applicable): KW Solar SolutionS	
Position Title (if applicable): President	

Required Documentation:

- If the Generation Unit is customer-sited generation, attach a copy of the utility's Final Approved Interconnection Agreement. The Agreement must include Generation Unit Address, Nameplate Capacity, and Interconnection Date.
- A copy of U.S. Department of Energy, Energy Information Administration Form EIA-860, if rated capacity is >1.0 MW and a copy of the Final Approved Interconnection Agreement including Generation Unit Address, Nameplate Capacity, and Interconnection Date.

Documentation Required for Delaware Labor/Workforce Bonus

10. If the Applicant's installation is solar or wind sited in Delaware:

- a. Was the Generation Unit physically constructed or installed with a workforce that consists of at least 75% Delaware residents?
- b. Does the installing company employ, in total, a minimum of 75% workers who are Delaware residents?

If you answered yes to "a", list all employees used as direct labor (physical construction and installation) for this Generation Unit: (Attach additional sheets if necessary)

If you answered yes to "b", list EVERY employee on the payroll during the period from project start date until project completion date. Projects are considerate complete upon final interconnection approval to operate: (Attach additional sheets if necessary)

	KW	Solar	Solutions	
Project Start Date:	8/7/		nstallation Company Name Project Complete Date:	8/10/19

Employee Full Name	Home Address City, State Only (As per Tax Withholding)	Social Security Number (Last 2 digits Only)
Dale Wolf	Elkton, MD	96
Rob Mc Ginty	Middletoum, DE	47
Brian Lankford	Newark, DE	31
Bob Myers	Newark, DE	51

Total Delaware Resident Employees:	3_	Total Number of Employees:	4
% of Delaware Residents (Delaware Res	idents Divid	ded by Total Employees): 75 %	

Municipality Generator Interconnection Application -Short Form Part II - Final As-Built Details

A single customer interconnecting to a single meter at a single premise provides Final As-Built Details this date AUGUST 9, 20to the Municipality of New Co., to install and operate a generating facility interconnected with the Municipal's utility system.

Section 9. Installation Details				
Generating System was installed by: Owner				
Installing Electrician: Bob Myers Firm: Myers Electric License No. T 20023				
Mailing Address: Y.V. BOX 12				
City: Newbyk State: 1				
Telephone: Area Code: 302 Number: 547-69				
Installation Completion Date: 81319	(System connected but shall not be active/live. System not approved by Utility at this point.)			
Supply certification that the generating system has been in Building/Electrical code of the municipality of New York	istalled and inspected in compliance with the local			
Signed (Inspector): (In lieu of signature of Inspector, a copy of the final in	Date:			
Generator Technical Information				
The applicant certifies that the system described below is the Fi application submitted by the applicant and approved by the	nal As-Built Design and does match any revised municipality prior to the interconnection date.			
Generator Equipment and Operation Details (If multiple differen				
Generator Manufacturer:	Q Cell			
Generator Model Name:	a. Peak			
Generator Model Number:	DUD 65.1 325			
Generator Output (kW):	9.75			
Inverter Manufacturer:	Solar Edge			
Inverter Model Name:	Single Phase Inverter			
Inverter Model Number:	SE 10 000 H-US			
Inverter Power Rating (AC Watts):	10,000			
Number of Inverters:				

Inverter Efficiency %:	99.2	
Intended Inverter Location:	· Next to Meter	
System Rated Output (Total Generator Output x Inverter Efficiency)	9.67	
If Generator is Photovoltaic include as well:		
Module Power Rating (DC @ STC): Should match Generator Output (kW)	325	
Number of Modules:	30	
Fotal Solar Output kW (Modules x Power Rating DC @ STC):	9.75	
Array Orientation (degrees): Note size of each array with different degrees.	181	
Array Tilt (degrees): Note size of each array with different degrees.	28	
In the Required: Completed Generator Installation Pictures A servers, electric permits	ttached. Must show whole generator,	

Section 10. Applicant Certifications

I hereby certify that, to the best of my knowledge, all the information provided in the Final As-Built Details is true and correct. I agree to install a Warning Label provided by the Municipality on or near my service install a complete install a warning Label provided by the Municipality on or near my service install a gree to submit a new or revised Interconnection Application and comply with all governing permitting requirements before adding to in any way or subtract from in any way the current approved electric generating system; including but not limited to expanding, replacing, or removing all or a portion of the current system, adding a new generator type, and/or replacing in anyway the generator system inverter. I further agree to notify the utility is writing through official certified mail at least 30 days before I sell or transfer ownership of the system to another owner to allow the municipal electric utility to update records and determine if the new owner agrees to the generation and interconnection responsibilities associated with the transfer of ownership. A new property owner, of property that up until the time of sale interconnection Agreement for net-metering in his/her name. If the new owner fails to submit an new Interconnection Agreement within 36 days of property transfer, certain net-metering transfer rights may be discontinued.

Failure for non-compliance to these certifications will be considered a violation of the not-metering agreement and may result in the disconnection of the electric generator at the discretion of the municipal electric utility. The sale or transfer of the electric generator shall not compromise law.

a we water of trausies of the of	ectric generator shall not co	impromise law.	par deciral emity.
I further certify and under constitute an endorsement of	stand that municipal utilis actual equipment perform	ly review and approval o	f this application does not
Signature of Applicant	/ / / A -	uder Date of	
Print Name Doll 61	AS COLLEN	DEP_	
Call your numicipal electric so Make sure to include all applic	rvice to find out who shoul ration sections (9 — 12) with	d receive this Part II Inter final submissions.	connection Application.
Section 11 Final Approve	d or Non-Approval for I	nterconnection and Svsi	em Operation
	Approves Approve		Does NOT Approve
The interconnection of a Scattering at (installation address)	LAR generate	or as detailed in the Final A	-Built Details and located
at (installation address)	High Rodge	Court	
The Municipal Utility has verified	the applicant's average elect	ric consumption in Append	ix A. Yes No
The Municipal Utility has verified produce no more than 110% of the	of the time of the That are		
Signed (Municipal Utility):	un Com	Date:	3/26/19
Print Name & Title: SAM	SHEER INGER	DEPUTY ELO	3/26/19 THE DIRECTOR
Approval with Conditions:	On the second		المرام

Reason of Not Approving:	
Approval to connect to the municipal system indicates only that tinterconnection have been satisfied. Such approval does not implail federal, state and local standards or regulations.	he minimum requirements for a safe proper y that the Generator Owner's facility meets
Section 12. Municipal Internal Notifications	
Send Applicant Warning Label for installing on/ near service meter:	Yes
Notify Billing Dept. of Interconnected Generation:	Yes
Notify District Engineering of Interconnected Generation:	Yes
Notify System Protection of Interconnected Generation:	Yes
Notify Municipal Building Department:	Nes
A copy of the approved Part II Final As-Built Details must be sent to the Delaware Municipal Electric Corporation ("DEMEC").	Yes
DEMEC P.O. Box 310 Smyrna, DE 19977	





AMERICAN INSPECTION AGENCY, INC.

Approval is issued after completion of visual / final inspection in accordance with the National Electric Code (NFPA 70) applicable governmental, utility, and/or any state or local amendments there to.

CERTIFICATE OF INSPECTION

Date: August 13, 2019

Owner: Douglas Collender

Occupant: Dwelling

Location: 8 High Ridge Court, Newark, DE

Type of Occupancy: Single Family

Installed By: KW Solar Solutions

Equipment: 9.75 KW Solar Associated Electric

Upon a change in the use, occupancy or ownership of the property indicated above, the certificate shall be immediately null and void. No warranty is This certificate applies to the electrical wiring to the electrical equipment listed above and/or on application along with the installation inspected as of noted date, this certificate shall be immediately null and void. This certificate applies only to the use, occupancy and ownership as indicated herein. including but not limited to the introduction of additional electrical equipment and/or the replacement of the components installed as of the above the above noted date based on visual inspection. Should the electrical system to which this certificate applies be altered or changed in anyway, expressed or implied as to the mechanical safety. This certificate shall be valid for a period of one year from the above noted date.